

Atty. Ref.:SJ0000019US2 (60717-300502)

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Amendments to Claims:

Please amend the claims as in the following listing:

What is claimed is:

- 1 1 (1-19 canceled)
- 1 2 20. (Currently amended) An apparatus for creating high crown and camber curvature in slider  
2 materials having an air bearing surface and a flex side, comprising:  
3       a laser which produces a pulsed laser beam for machining the slider material, the laser  
4       beam having a pulse width in the range of  $1 \times 10^{-9}$  seconds to  $1 \times 10^{-3}$  seconds, with an energy  
5       per pulse in the range of 1 to 1,000,000 microJoules, and a repetition rate between 1Hz and  
6       400Hz;  
7       at least one beam directing device, which directs the laser beam onto the flex side of the  
8       slider material; and  
9       a fluence varying device so that optimal fluence is achieved to produce optimal curvature.
- 1 21. (Original) The apparatus of claim 20, wherein:  
2       the fluence varying device is at least one focusing lens which directs the laser beam to  
3       focus within a focal plane and  
4       a movable fixture which varies the position of the slider material with respect to the focal plane.
- 1 22. (Original) The apparatus of claim 21, wherein:  
2       the movable fixture is a movable stage upon which the slider material is attached, and by  
3       which the slider material is moved relative to the focal plane.
- 1 23. (Original) The apparatus of claim 21, wherein:  
2       the movable fixture is a movable stage upon which the lens is attached, and by which the  
3       focal plane is moved relative to the slider material.
- 1 24. (Original) The apparatus of claim 20, wherein the laser is Q-switched.
- 1 25. (Original) The apparatus of claim 20, wherein the laser beam is produced through harmonic  
2       generation.
- 1 26. (Original) The apparatus of claim 20, wherein the laser beam is moved by at least one  
2       directing device.
- 1 27. (Original) The apparatus of claim 26, wherein at least one directing optic includes at least  
2       one reflecting mirror.
- 1 28. (Original) The apparatus of claim 20, wherein the laser beam is conditioned with a beam  
2       expander that has adjustable beam expansion.

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1 29. (Original) The apparatus of claim 20, wherein the slider material is one or more rows of  
2 sliders.

(30-37 canceled.)

1 38. (Canceled)

1 39. (Canceled)

1 40. (Canceled)